

Form PTO 1449 Rev. 7-80	U.S. Department of Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT (Use Several Sheets If Necessary)	Atty. Docket No. Mo5907D2/LeA 32,864D2	Serial No. 1 573 0586 To be assigned
		Applicant Folker Lieb et al	
		Filing Date Herewith	Group

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>[initials]</i>	AA	4,104,043	08/01/78	(Bel. to corresp. to DE Durden, Jr. et al	2,361,084) 71	107	
<i>[initials]</i>	AB	4,175,135	11/20/79	Haines	424	311	
<i>[initials]</i>	AC	4,209,432	06/24/80	Roth	260	29.2 M	
<i>[initials]</i>	AD	4,209,532	06/24/80	(Bel. to corresp. to DE Wheeler	2,813,341) 424	331	
<i>[initials]</i>	AE	4,256,657	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465 D	
<i>[initials]</i>	AF	4,256,658	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465 D	
<i>[initials]</i>	AG	4,256,659	03/17/81	(Bel. to corresp. to DE Wheeler	2,813,341) 260	465 D	
<i>[initials]</i>	AH	4,257,858	03/24/81	(Bel. to corresp. to DE Wheeler	2,813,341) 204	158 R	
<i>[initials]</i>	AI	4,283,348	08/11/81	Wheeler	260	465 D	
<i>[initials]</i>	AJ	4,303,669	12/01/81	D'Silva	424	282	
<i>[initials]</i>	AK	4,338,122	07/06/82	Wheeler	71	122	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
<i>[initials]</i>	AL	*96/25395	08/22/96	World Patent				
<i>[initials]</i>	AM	*97/36868	10/09/97	World Patent				
<i>[initials]</i>	AN	*196 49 665	10/09/97	Germany				
<i>[initials]</i>	AO	*4,431,730	08/10/95	Germany				
<i>[initials]</i>	AP	*195 43 864	08/14/96	Germany				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>[initials]</i>	AR	*Chem. Pharm Bull., 15 (8), (month unavailable), 1967, Pages 1120-1122, Seikichi Suzuki, et al,
<i>[initials]</i>		"Studies on Antiviral Agents. N.* Biological Activity of Tenuazonic Acid Derivatives"
<i>[initials]</i>	AS	Liebigs Ann. Chem. (month unavailable), 1985, Pages 1095-1098, Roland Schmierer et al,
<i>[initials]</i>		"Cyclisierung von N-Acylalanin- und N-Acylglycinestern"
<i>[initials]</i>	AT	J. Chem. Soc. Perkin Trans. 1, (month unavailable), 1985, Pages 1567-1576, A. C. Campbell et al,
<i>[initials]</i>		"Synthesis of (E)- and (Z)-Pulvinones"

EXAMINER <i>[signature]</i>	DATE CONSIDERED <i>6/9/04</i>
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EXAMINER Initial if referenced considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Herewith			

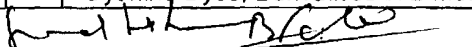
U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
<i>826</i>	AA	4,351,666	09/28/82	Koerwer	71	106	—
	AB	4,409,153	10/11/83	Hodakowski	260	946	—
	AC	4,422,870	12/27/83	(Bel. to corresp. to DE Wheeler	2,813,341) 71	106	—
	AD	4,436,666	03/13/84	Wheeler	260	455 B	—
	AE	4,526,723	07/02/85	Wheeler et al	260	410.5	—
	AF	4,551,547	11/05/85	Wheeler	560	255	—
	AG	*4,613,617	09/23/86	Sousa	514	521	—
	AH	4,632,698	12/30/86	Wheeler	71	106	—
	AI	4,659,372	04/21/87	(Bel. to corresp. to DE Wheeler	2,813,341) 71	106	—
	AJ	4,925,868	05/15/90	(Bel. to corresp. to EP Terao et al	262,399) 514	425	—
<i>826</i>	AK	4,985,063	01/15/91	(Bel. to corresp. to EP Fischer et al	355,599) 71	88	—

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
<i>826</i>	AL	*442,077	08/21/91	Europe	—	—	—	—
	AM	*96/20196	07/04/96	World Patent	—	—	—	—
	AN	*521,334	01/07/93	Europe	—	—	—	—
	AO	*97/14667	04/24/97	World Patent	—	—	—	—
<i>826</i>	AP	2,220,440	11/14/96	Canada	—	—	—	—

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

826	AR	J. Heterocycl. Chem., 25 (5), Sept-Oct, 1988, Pages 1301-1305, G. Zvilichovsky, "Crystal Structure, Diiodination and Zwitterion Formation in 2,6-Diaryl-1(3)-oxo-3(1)-hydroxy-5(7)-imino-7(5)-amino-1H,5H-(3H,7H)-pyrazolo[1,2-a]pyrazoles"		
826	AS	J. Heterocyclic Chem, 25, (5), Sept-Oct, 1988, Pages 1307-1310, G. Zvilichovsky et al, "Acidity and Alkylation of 4-Phenyl-3,5-dihydroxy-pyrazole and Its Derivatives. C versus O and N Alkylation"		
826	AT	Zh. Obshch. Khem., 34 (7), (month unavailable), 1964, Pages 239-240, Z. I. Miroshnichenko et al, "Cyanine Dyes, Derivatives of 2-Methyl 4,5-(2',3'-Thionaphtheno)Thiazole"		
EXAMINER			DATE CONSIDERED	6/9/04
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>8/2</i>	AA	5,045,560	09/03/91	(Bel. to corresp. to EP Fischer et al	377,893) 514	425	—
	AB	5,091,537	02/25/92	(Bel. to corresp. to EP Fischer et al	355,599) 546	226	—
	AC	5,094,681	03/10/92	(Bel. to corresp. to DE Krämer et al	4,014,420) 71	88	—
	AD	5,116,836	05/26/92	(Bel. to corresp. to EP Fischer et al	415,211) 514	224.2	—
	AE	5,142,065	08/25/92	(Bel. to corresp. to EP Fischer et al	355,599) 548	533	—
	AF	5,186,737	02/16/93	(Bel. to corresp. to EP Fischer et al	377,893) 504	283	—
	AG	5,207,817	05/04/93	(Bel. to corresp. to DE Krämer et al	4,014,420) 504	299	—
	AH	5,258,527	11/02/93	(Bel. to corresp. to EP Krauskopf et al	456,063) 548	543	—
	AI	5,262,383	11/16/93	(Bel. to corresp. to EP Fischer et al	528,156) 504	195	—
<i>8/2</i>	AJ	5,332,720	07/26/94	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	—
	AK	5,358,924	10/25/94	(Bel. to corresp. to EP Krüger et al	508,126) 504	197	—

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							Yes	No*
<i>8/2</i>	AL	96/21652	07/18/96	World Patent	—	—	—	—
	AM	96/36615	11/21/96	World Patent	—	—	—	—
	AN	96/36229	11/21/96	World Patent	—	—	—	—
<i>8/2</i>	AO	96/02539	02/01/96	World Patent	—	—	—	—
	AP	2,266,888	11/17/93	Great Britain	—	—	—	—

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<i>8/2</i>	AR	Farmakol Toksikol (Moscow), 38 (2), (month unavailable), 1976, Pages 180-186, K. M. Lakin et al, "The Effect of Some Pyrazolone Derivatives on the Aggregation of Thrombocytes" (Abstract on page 186)
<i>8/2</i>	AS	Arch. Pharm. 309, (month unavailable) 1976, Pages 558-564, A. M. Chirazi et al, "Zur Synthese von Kawalactonderivaten"
<i>8/2</i>	AT	Chem. Bec., 91 (month unavailable) 1958, Page 249, K.-H. Boltze et al, "Ringschlüsse mit Malonsäure-dichloriden"

EXAMINER <i>h. b. b. B. C. b.</i>	DATE CONSIDERED <i>6/9/94</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
S	AA	5,393,729	02/28/95	(Bel. to corresp. to EP Fischer et al	588,137) 504	128	—
	AB	5,462,913	10/31/95	(Bel. to corresp. to EP Fischer et al	596,298) 504	138	—
	AC	5,494,890	02/27/96	(Bel. to corresp. to WO Cederbaum et al	92/16510) 504	281	—
	AD	5,504,057	04/02/96	(Bel. to corresp. to EP Fischer et al	613,884) 504	283	—
	AE	5,506,193	04/09/96	(Bel. to corresp. to WO Cederbaum et al	92/16510) 504	282	—
	AF	5,565,450	10/15/96	(Bel. to corresp. to WO Fischer et al	94/14765) 514	227.2	—
	AG	5,567,671	10/22/96	(Bel. to corresp. to EP Fischer et al	613,885) 504	283	—
	AH	5,602,078	02/11/97	(Bel. to corresp. to EP Fischer et al	613,884) 504	283	—
	AI	5,610,122	03/11/97	(Bel. to corresp. to EP Fischer et al	647,637) 504	251	—
	AJ	5,622,917	04/22/97	(Bel. to corresp. to EP Fischer et al	668,267) 504	283	—
	AK	5,661,110	08/26/97	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	—

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							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

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AR	Monatsh, 95 (month unavailable) 1964, Pages 147-155, E. Ziegler et al, "Synthesen von Heterocyclen, 52. Mitt.: Über Derivate des 2-Phenyl-4-hydroxy-[1,3-thiazinons-(6)] ¹ "
AS	Heterocycl. Chem., 10, April, 1973, Pages 223-224, Roger Ketcham et al, "Synthesis of Heterocycles. 174 (1,2) Substituted Thiazines and Bisthiazinyls from Dithiooxamide and Trichlorophenyl Malonates"
AT	Tetrahedron, Vol. 48, No. 36 (month unavailable) 1992, Pages 7519-7526, J. Micklefield et al, "Alkylation and Acylation of 5-Phenylsulphonyl- and 5-Cyanobutyrolactones"
EXAMINER	DATE CONSIDERED 6/4/04

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<i>826</i>	AA	5,677,449	10/14/97	(Bel. to corresp. to EP Fischer et al	596,298) 544	165	—
	AB	5,719,310	02/17/98	Fischer et al	560	83	—
	AC	5,739,389	04/14/98	(Bel. to corresp. to EP Krüger et al	508,126) 562	489	—
	AD	5,780,394	07/14/98	(Bel. to corresp. to EP Krüger et al	508,126) 504	281	—
	AE	5,808,135	09/15/98	(Bel. to corresp. to WO Fischer et al	96/03366) 560	129	—
	AF	5,817,700	10/06/98	(Bel. to corresp. to WO Dube et al	97/36863) 514	768	—
	AG	5,830,826	11/03/98	(Bel. to corresp. to WO Fischer et al	95/26954) 504	195	—
	AH	5,840,661	11/24/98	(Bel. to corresp. to WO Fischer et al	96/01798) 504	348	—
	AI	5,945,444	08/31/99	(Bel. to corresp. to WO Fischer et al	95/26345) 514	445	—
	AJ	5,977,029	11/02/99	(Bel. to corresp. to WO Fischer et al	97/16436) 504	292	—
	AK	5,994,274	11/30/99	(Bel. to corresp. to WO Fischer et al	97/02243) 504	282	—

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							Yes	No*
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>826</i>	AR	J. Chem. Soc. (C), (month unavailable), 1967, Pages 405-409, R. L. Edwards et al, "Constituents of the Higher Fungi. Part IV. Involutin, a Diphenylcyclopenteneone from <i>Pezizella involutus</i> (Oeder ex Fries)"
<i>82</i>	AS	J. Economic Entomology, Vol. 66, No. 2 (month unavailable), 1973, Pages 584-586, A. A. Sousa et al, "Esters of 3-Hydroxy-2-Arylindones, a New Class of Acaricide"
<i>82</i>	AT	J. Org. Chem., Vol. 44, No. 26 (month unavailable), 1979, Pages 4906-4912, T. N. Wheeler, "Novel Photochemical Synthesis of 2-Aryl-1,3-cyclohexanediones"
EXAMINER <i>Goodrich B/chen</i>		DATE CONSIDERED <i>1/9/04</i>

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<i>820</i>	AA	6,057,352	05/02/00	(Bel. to corresp. to WO Brown et al	96/36616) 514	384	—
	AB	6,096,895	08/01/00	(Bel. to corresp. to WO Brown et al	96/36633) 548	110	—
	AC	6,110,872	08/29/00	(Bel. to corresp. to WO Lieb et al	97/01535) 504	284	—
	AD	6,114,374	09/05/00	(Bel. to corresp. to WO Lieb et al	97/01535) 514	424	—
<i>820</i>	AE	6,150,304	11/21/00	(Bel. to corresp. to WO Fischer et al	96/01798) 504	309	—
	AF						
	AG						
	AH						
	AI						
	AJ						
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